LISTING OF THE CLAIMS

- 1. (original) A process for manufacturing a metal-infiltrated powder metal part, the process comprising: compacting a powder metal to form a compact; forming an infiltrant blank from a wrought metal sheet; placing the infiltrant blank on top of the compact; and sintering the compact at a temperature sufficient to form a sintered compact with a matrix having pores and to melt the wrought metal such that the melted wrought metal infiltrates the pores of the matrix.
- 2. (original) The process of claim 1 wherein: the powder metal is selected from iron, iron alloys and mixtures thereof; and the wrought metal is selected from copper and copper
- 3. (original) The process of claim 2 wherein: the wrought metal sheet has a thickness of less than 1 millimeter.

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- 4. (original) The process of claim 1 wherein:
 the infiltrant blank is formed by a method selected from stamping, fine blanking and abrasive water jet cutting.
- 5. (original) The process of claim 1 further comprising: forming the infiltrant blank with a locating element that is suitable for engaging a corresponding locating element on the compact; and

placing the infiltrant blank in contact with the compact such that the locating element of the blank engages the corresponding locating element on the compact.

- 6. (original) The process of claim 5 wherein: the locating element of the blank is a section of the blank extending outwardly from a body of the blank.
- 7. (original) A process for manufacturing a metal-infiltrated powder metal part, the process comprising:

compacting a powder metal to form a compact;

sintering the compact at a temperature sufficient to form a sintered compact with a matrix having pores;

forming an infiltrant blank from a wrought metal sheet; placing the infiltrant blank on top of the sintered compact; and

melting the wrought metal such that the melted wrought metal infiltrates the pores of the matrix.

8. (original) The process of claim 7 wherein:
the powder metal is selected from iron, iron alloys and
mixtures thereof; and

the wrought metal is selected from copper and copper alloys.

- 9. (original) The process of claim 8 wherein: the wrought metal sheet has a thickness of less than 1 millimeter.
- 10. (original) The process of claim 7 wherein:
 the infiltrant blank is formed by a method selected from stamping, fine blanking and laser cutting.

11. (original) The process of claim 7 further comprising:
forming the infiltrant blank with a locating element that
is suitable for engaging a corresponding locating element on the
compact; and

placing the infiltrant blank in contact with the compact such that the locating element of the blank engages the corresponding locating element on the compact.

- 12. (original) The process of claim 7 wherein: the locating element of the blank is a section of the blank extending outwardly from a body of the blank.
- 13. (original) A process for manufacturing a metalinfiltrated powder metal part, the process comprising: compacting a powder metal to form a compact;

forming an infiltrant blank from a wrought metal sheet, the blank having a locating element that is suitable for engaging a corresponding locating element on the compact;

placing the infiltrant blank in contact with the compact such that the locating element of the blank engages the corresponding locating element on the compact; and

sintering the compact at a temperature sufficient to form a sintered compact with a matrix having pores and to melt the wrought metal such that the melted wrought metal infiltrates the pores.

14. (original) The process of claim 13 wherein:
the powder metal is selected from iron, iron alloys and
mixtures thereof; and

the wrought metal is selected from copper and copper alloys.

- 15. (original) The process of claim 14 wherein: the wrought metal sheet has a thickness of less than 1 millimeter.
- 16. (original) The process of claim 13 wherein: the infiltrant blank is formed by a method selected from stamping, fine blanking and laser cutting.
- 17. (original) The process of claim 13 wherein:
 the locating element of the blank is a section of the blank
 extending outwardly from a body of the blank.
- 18. (original) A process for manufacturing a metalinfiltrated powder metal part, the process comprising:
 compacting a powder metal to form a compact;
 sintering the compact at a temperature sufficient to form a
 sintered compact with a matrix having pores;

forming an infiltrant blank from a wrought metal sheet, the blank having a locating element that is suitable for engaging a corresponding locating element on the sintered compact;

placing the infiltrant blank in contact with the sintered compact such that the locating element of the blank engages the corresponding locating element on the sintered compact; and

melting the wrought metal such that the melted wrought metal infiltrates the pores of the sintered compact.

19. (original) The process of claim 18 wherein:
the powder metal is selected from iron, iron alloys and
mixtures thereof; and

the wrought metal is selected from copper and copper alloys.

- 20. (original) The process of claim 19 wherein: the wrought metal sheet has a thickness of less than 1 millimeter.
- 21. (original) The process of claim 18 wherein:
 the infiltrant blank is formed by a method selected from stamping, fine blanking and laser cutting.
- 22. (original) The process of claim 18 wherein: the locating element of the blank is a section of the blank extending outwardly from a body of the blank.